



PATENT COOPERATION TREATY

PCT

INTERNATIONAL PRELIMINARY EXAMINATION R

(PCT Article 36 and Rule 70)

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	REC'D POR NIPO	16	MAR	2005	•
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Applicant's or agent's file reference ASHL.001QPC		FOR FURTHER AC	TION See Notification Preliminary Ex	n of Transmittal of International amination Report (Form PCT/IPEA/416)		
International application No. PCT/US 03/35029				International filing date (d 04.11.2003	day/month/year)	Priority date (day/month/year) 04.11.2002
International Patent Classification (IPC) or both national classification and IPC A61L2/025						
Applicant ASHLAND INC. et al.						
1.	This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.					
2.	This	REPO	ORT consists of a total of	of 6 sheets, including th	is cover sheet.	
	This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).					ectifications made before this Authority
	These annexes consist of a total of 3 sheets.					
3.	3. This report contains indications relating to the following items:					
İ	1	\boxtimes	Basis of the opinion			
	11		Priority			
	III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability			and industrial applicability		
	IV		Lack of unity of invent	ion		٠.
	 Neasoned statement under Rule 66.2(a)(ii) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement 				nventive step or industrial applicability;	
ł	VI		Certain documents cit			
VII Certain defects in the international application						
	VIII Certain observations on the international application					
Date of submission of the demand Date of completion of this report						
01.06.2004				15.03.2005		
Name and mailing address of the international preliminary examining authority:				nal	Authorized Officer	Jetunas Palating
European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465			656 epmu d	Uiber, P Telephone No. +49 89	2399-2117	

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 Basis of the re 	pc	ort
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 With regard to the elements of the international application (Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)):

	Description, Pages					
	1-16		as originally	filed		
					٠.	
	-	ms, Numbers		on 44 0004 with latte		
1-25 receive				25.11.2004 with lette	er 01 23.11.2004	
	Drav	wings, Sheets			17	1
	1/8-8	3/8	as originally	filed		
2.	With lang	regard to the langua uage in which the inte	ge, all the elements emational application	marked above were was filed, unless ot	available or furnishe herwise indicated und	d to this Authority in the der this item.
	The	se elements were ava	ilable or furnished to	this Authority in the	following language:	, which is:
☐ the language of a translation furnished for						(under Rule 23.1(b)).
		the language of publi	cation of the interna	tional application (un	der Rule 48.3(b)).	`.
		the language of a train Rule 55.2 and/or 55.3	nslation furnished fo 3).	r the purposes of inte	ernational preliminary	examination (under
3.	With	n regard to any nucle o rnational preliminary e	otide and/or amino examination was car	acid sequence discried out on the basis	losed in the internation of the sequence listing	onal application, the ng:
		contained in the inter	national application	in written form.		
		filed together with the			adable form.	
		furnished subsequen	tly to this Authority i	n written form.	· ·	
		furnished subsequen				
		in the international ap	oplication as filed ha	s been turnisnea.		o beyond the disclosure
		The statement that the listing has been furni	ne information record shed.	ded in computer read	dable form is identical	to the written sequence
4.	The	amendments have re				
		the description,	pages:			
		the claims,	Nos.:			
		the drawings,	sheets:			

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5.		This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)).						
		(Any replacement sheet conta report.)	ining s	such amendr	ments must be referred to under item 1 and annexed to this			
6.	Add	litional observations, if necessa	ıry:					
Ш.	Nor	n-establishment of opinion w	ith reg	jard to nove	elty, inventive step and industrial applicability			
1.	The obvi	questions whether the claimed invention appears to be novel, to involve an inventive step (to be non- ous), or to be industrially applicable have not been examined in respect of:						
		the entire international application,						
	×	claims Nos. 14-25						
		because:						
	☒	the said international application, or the said claims Nos. 14-25 (IA) relate to the following subject matter which does not require an international preliminary examination (specify):						
		see separate sheet						
		the description, claims or draw that no meaningful opinion co	vings <i>(</i> uld be	indicate part formed (spe	icular elements below) or said claims Nos. are so unclear cify):			
		the claims, or said claims Noscould be formed.	. are s	o inadequate	ely supported by the description that no meaningful opinion			
		no international search report	has be	en establish	ned for the said claims Nos.			
2.	A meaningful international preliminary examination cannot be carried out due to the failure of the nucleotid or amino acid sequence listing to comply with the standard provided for in Annex C of the Administrative Instructions:							
		the written form has not been furnished or does not comply with the Standard.						
		the computer readable form h	as not	been furnish	ned or does not comply with the Standard.			
٧.	Rea cita	easoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; itations and explanations supporting such statement						
1.	Stat	tement						
	Nov	Novelty (N)		Claims Claims	14-25 1-13			
	Inve	Inventive step (IS)		Claims Claims	14-25 1-13			
	Indu	ustrial applicability (IA)	Yes: No:	Claims Claims	1-13 14-25			
2.	Cita	ations and explanations						

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see separate sheet

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SECTION III

1). Claims 14-25 relate to subject-matter considered by this Authority to be covered by the provisions of R.67.1(iv) PCT. Therefore, no opinion will be formulated with respect to the industrial applicability thereof (Art.34(4)(a)(i) PCT).

SECTION V

- 2). For the assessment of the present claims 14-25 on the question whether they are industrially applicable, no unified criteria exist in the PCT Contracting States. The patentability can also be dependent upon the formulation of the claims. The EPO, for example, does not recognize as industrially applicable the subject-matter of claims to the use of a compound in medical treatment, but may allow, however, claims to a known compound for first use in medical treatment and the use of such a compound for the manufacture of a medicament for a new medical treatment.
- 3). The following documents (D1-D3) are referred to in this written opinion; the numbering results from the order of citations found in the Search Report and it will be adhered to in the rest of the procedure. It will be made reference to the cited passage(s) for each citation unless otherwise specified.
- 4). a) Claims 1-13 directed to a device alledgely differ from the one of D1 (filed by some of the present Inventors) in that the power shall be lower than 30 mW/cm³. However, this cannot be regarding as a distinguishing feature over D1 insofar that the (emission) power can be, of course, adapted to the intended need and must rather be regarded as a feature for a process not for a device. The remaining features of claim 1 do not differ from D1. Accordingly, claims 1-13 lack novelty over D1 (Art. 33(2) PCT).
 - b) Process claim 14 differ from the one of D1 in that the power shall be lower than 30 mW/cm³. As D1 is silent as to the power, claim 14 is novel over D1 as well as D2-D3 (Art. 33(2) PCT.
 - c) Item 4 b) also applies to dependent claims 15-25 (Art. 33(2) PCT.
- 5). An inventive step can be acknowledge for claim 14 over D1 (closest prior art document) insofar as D1 was silent as to the possibility of inducing cell death in the treated cell at that low power level. In addition, healthy cells were identified as being less sensitive to the

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method that hyperproliferative cells, so that, said method more specifically induces apoptosis on the later (see [0028], Fig. 7-8). Accordingly, claim 14 meets the requi-rements of Art. 33(3) PCT). This also applies to dependent claims 15-25 (Art. 33(2) PCT.